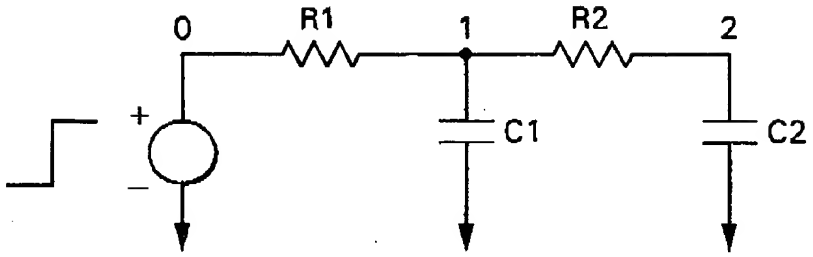


Fig. 1A PRIOR ART

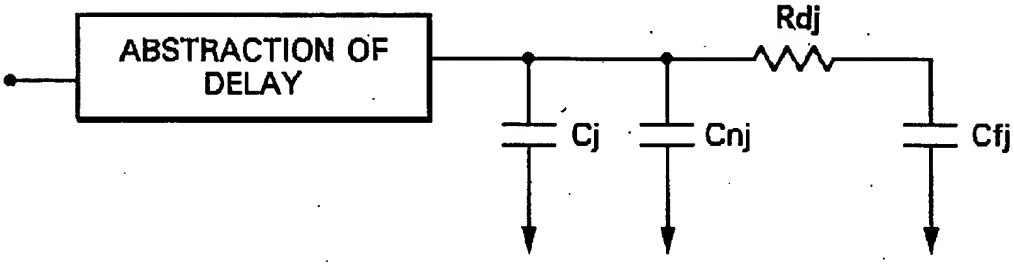


Fig. 1B

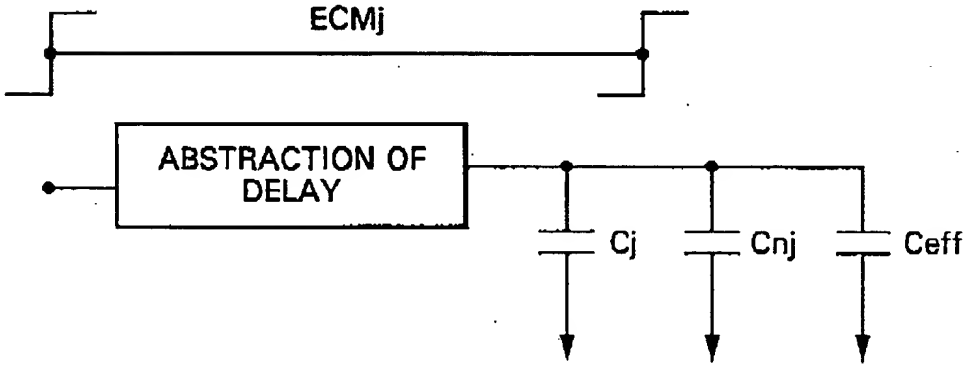
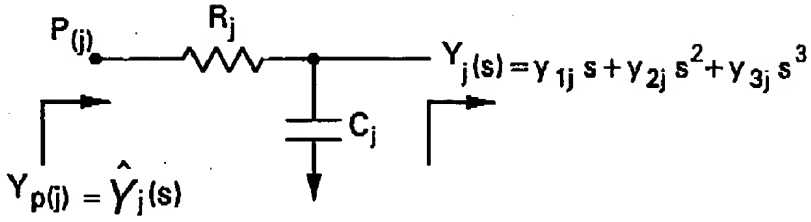


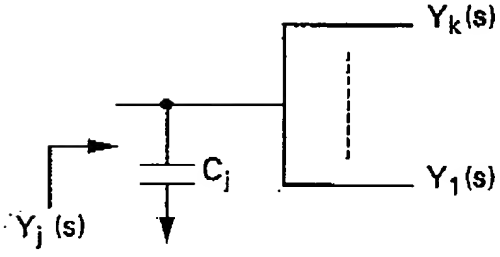
Fig. 1C



$$\hat{y}_{1j} = y_{1j} + C_j; \quad \hat{y}_{2i} = y_{2j} - R_j (y_{1j})^2$$

$$\hat{y}_{3j} = y_{3j} - 2R_j (y_{1j})(y_{2j}) + R^2{}_j (y_{1j})^3$$

Fig. 4A



$$y_{1j} = \sum_{i=1}^{k} y_{1i}$$

$$y_{2j} = \sum_{i=1}^{k} y_{2i}$$

$$y_{3j} = \sum_{i=1}^{k} y_{3i}$$

Fig. 4B